TABLE 171.070(a)—STANDARD OF FLOODING

| Passengers carried | Part of vessel | Standard of flooding (compartments) |
|---|---|---|
| 400 or less | All | 1 |
| 401 to 600 | All of the vessel forward of the first MTWB aft of the collision bulkhead.. | 2 |
| | All remaining portions of the vessel. | 1 |
| 601 to 800 | All of the vessel forward of the first MTWB that is aft of a point 40% of the vessel's LBP aft of the forward perpendicular. | 2 |
| | All remaining portions of the vessel. | 1 |
| 801 to 1000 | All of the vessel forward of the first MTWB that is aft of a point 60% of the vessel's LBP aft of the forward prependicular.. | 2 |
| | All remaining portions of the vessel. | 1 |
| More than 1000 | All | 2 |

Where for this table-
"MTWB" means main transverse watertight bulkhead; and "Standard of Flooding" is explained in §171.017 of this subchapter.

TABLE 171.070(b)—STANDARD OF FLOODING FOR FERRY VESSELS

| Vessel length | Part of vessel | Standard of flooding (compartments) |
|---|---|---|
| 150 feet (46 meters) or less. | All | 1 |
| Greater than 150 feet (46 meters) and less than or equal to 200 feet (61 meters). | All of the vessel forward of the first MTWB aft of the collision bulkhead. | 2 |
| | All of the vessel aft of the first MTWB forward of the aft peak bulkhead. | 2 |
| | All remaining portions of the vessel. | 1 |
| Greater than 200 feet (61 meters). | All | 2 |

Where for this table—
"MTWB" means main transverse watertight bulkhead; and "Standard of Flooding" is explained in §171.017 of this subchapter.

[CGD 79–023, 48 FR 51017, Nov. 4, 1983, as amended by USCG–2007–0030, 75 FR 78085, Dec. 14, 2010]

### § 171.072 Calculation of permeability for Type II subdivision.

When doing calcualtions to show compliance with §171.070, the following uniform average permeabilities must be assumed:

(a) 85 percent in the machinery space.

(b) 60 percent in the following spaces:

(1) Tanks that are normally filled when the vessel is in the full load condition.

(2) Chain lockers.

(3) Cargo spaces.

(4) Stores spaces.

(5) Mail or baggage spaces.

(c) 95 percent in all other spaces.

### § 171.073 Treatment of stepped and recessed bulkheads in Type II subdivision.

(a) A main transverse watertight bulkhead may not be stepped unless additional watertight bulkheads are located as shown in Figure 171.067(a) so that the distances A, B, C, and D illustrated in Figure 171.067(a) comply with the following:

(1) A and B must not exceed the maximum bulkhead spacing that permits compliance with §171.070; and

(2) C and D must not be less than the minimum spacing specified in §171.070(e).

(b) A main transverse watertight bulkhead may not be recessed unless all parts of the recess are inboard from the shell of the vessel as illustrated in Figure 171.067(c).

(c) If a main transverse watertight bulkhead is recessed or stepped, an equivalent plane bulkhead must be used in the calculations required by §171.070.

### § 171.075 [Reserved]

### § 171.080 Damage stability standards for vessels with Type I or Type II subdivision.

(a) *Calculations.* Each vessel with Type I or Type II subdivision must be shown by design calculations to meet the survival conditions in paragraph (e), (f), or (g) of this section in each condition of loading and operation assuming the extent and character of damage specified in paragraph (b) of this section.